



## **DELAWARE LEVEL 1 INTERCONNECTION APPLICATION/AGREEMENT**

**With Terms and Conditions for Interconnection  
(Lab Certified Inverter-Based Small Generator Facilities Less than or Equal to 10 kW)**

The Green Power Connection™ Team  
Delmarva Power  
A PHI Company  
(866) 634-5571 - Phone  
[GPC-north@pepcoholdings.com](mailto:GPC-north@pepcoholdings.com)

(Send applications via Email or Mail to Delmarva Power, GPC Team)

Mailing Address: 5 Collins Drive, Mail Stop 84CP22, Carneys Point, NJ 08069





## **PART 1**

### **DELAWARE LEVEL 1 INTERCONNECTION APPLICATION & AGREEMENT**

**With Terms and Conditions for Interconnection**  
**(Lab Certified Inverter-Based Small Generator Facilities Less than or Equal to 10 kW)**  
**(Application & Conditional Agreement – to be completed prior to installation)**

#### **INTERCONNECTION CUSTOMER CONTACT INFORMATION**

Customer Name: J Thomas Wolfe  
Mailing Address: 6010 Old Capitol Trail  
City: Wilmington State: DE Zip Code: 19808  
Contact Person/Authorized Agent (If other than above): \_\_\_\_\_  
Mailing Address (If other than above): \_\_\_\_\_  
Telephone (Daytime): 3025305274 (Evening): \_\_\_\_\_  
Fax Number: \_\_\_\_\_ E-Mail Address (Required): cherimontgomery1@gmail.com

#### **Alternate Project Contact Information:** (if different from Customer-Generator above)

Alternate Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Fax Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

If an email is provided for your alternate contact, that contact will receive all email communications.

#### **FACILITY INFORMATION**

Facility Address: 6010 Old Capitol Trl  
City: Wilmington State: DE Zip Code: 19808  
DPL Account #: 5501 1753 542 Meter #: NXA106742871  
Current Annual Energy Consumption (optional): 9075 kWh  
Check if this Facility (building) is, or is going to be, NEW CONSTRUCTION: ☐  
Estimated Commissioning Date: 07/27/2017  
Energy Source: Solar PV Prime Mover: Photovoltaics



Type of Application: Initial ☒ Addition/Upgrade ☐ <sup>1</sup>

Initial Rating: DC Generator Total<sup>2</sup> Nameplate Rating: 4.20 (kW),  
AC Inverter Total<sup>3</sup> Rating 3.00 kW (kW),  
AC System Design Total Capacity<sup>4</sup>: 3.69 (kW)        (kVA)

Added Rating (if upgrade): DC Generator Total Nameplate Rating:        (kW),  
AC Inverter Total Rating        (kW),  
AC System Design Total Capacity:        (kW)        (kVA)

Total Rating (if upgrade): DC Generator Total Nameplate Rating: 4.20 (kW),  
AC Inverter Total Rating 3.00 (kW),  
AC System Design Total Capacity: 3.69 (kW)        (kVA)

Generator (or PV Panel) Manufacturer, Model #<sup>5</sup>: Hanwha SolarOne (Qidong) Q.Peak-G4.1/SC300

A copy of Generator nameplate and Manufacturer's Specification Sheet may also be submitted

Number of Generators (or PV Panels): 14

Type of Tracking if PV: Fixed ☒ Single Axis ☐ Double Axis ☐

Array Azimuth if PV: 335 ° Array Tilt if PV: 12 °

Shading Angles if PV at E, 120°, 150°, S, 210°, 240°, W:        ° (Separate with comas)

Inverter Manufacturer<sup>6</sup>: ABB Model Number(s) of Inverter<sup>7</sup>: PVI-3.0-OUTD-S-US-Z-A-RGM

Number of Inverters<sup>8</sup>: 1 Inverter Type: Forced Commutated ☐ Line Commutated ☒

Ampere Rating: 14.5 Amps<sub>AC</sub>, Number of Phases: ☒ 1 ☐ 3

Nominal Voltage Rating: 240 V<sub>AC</sub>, Nominal DC Voltage: 162.05 V<sub>DC</sub>,

Power Factor: 99 %, Frequency: 60 Hz, Efficiency: 96 (%)

DPL Taggable, Lockable, Accessible Disconnect<sup>9</sup>: ☒ Yes ☐ No,

If Yes, Location: Within 10ft of meter

One-line Diagram Attached (Required): ☒ Yes ☐ No,

Site Plan Attached (Required): ☒ Yes ☐ No

Do you plan to export power?<sup>10</sup> ☒ Yes ☐ No, If Yes, Estimated Maximum: 3.69 kW<sub>AC</sub>

Estimated Gross Annual Energy Production: 3525.3048 kWh

Is the inverter IEEE/UL1741 lab certified? Yes ☒ No ☐

(If yes, attach manufacturer's cut sheet showing listing and label information from the appropriate listing authority, e.g. UL 1741 listing. If no, facility is not eligible for Level 1 Application.)

<sup>1</sup> Initial if first time generator request. Addition/Upgrade if this is an add-on to a previously approved system.

<sup>2</sup> Sum of all generators or PV Panels

<sup>3</sup> Sum of all inverters

<sup>4</sup> This will be your system design capacity based upon your unique system variables.

<sup>5</sup> If more than one type, please list all manufactures and model numbers.

<sup>6</sup> If more than one manufacture, please list all.

<sup>7</sup> If more than one model number, please list all.

<sup>8</sup> Attach additional sheets as necessary in the event of multiple inverters of various types/sizes

<sup>9</sup> This is strongly recommended by the utility. Best practice is to have an externally accessible, lockable, disconnect with visible open/close connection and to have appropriate signage on the disconnect, such as 'Solar PV AC Disconnect' (preferably red) and on the meter housing 'Caution, Solar Electric System' (preferably yellow). If the disconnect is not in the immediate vicinity of the meter, please include the disconnect location on the meter signage. This enables the utility and first responders to more quickly deal with an emergency situation.

<sup>10</sup> Yes, if your expected maximum output of the inverter (kW AC) is greater than the lowest load you anticipate at your facility during maximum PV output (kW). The difference would be the amount you may export.



**EQUIPMENT INSTALLATION CONTRACTOR**Owner (Customer) Installed: ☐ Yes ☒ NoContractor Name: SolarCity Corporation DBA Tesla EnergyMailing Address: 6671 Las Vegas Blvd South, Suite 300City: Las Vegas State: NV Zip Code: 89119Telephone (Daytime): 702-703-8951 (Evening): \_\_\_\_\_Fax Number: \_\_\_\_\_ E-Mail Address (Required): interconnection.DE@solarcity.com**ELECTRICAL CONTRACTOR**Electrical Contractor Name: Same as Equipment Installation Contractor

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_


Fax Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

License number: \_\_\_\_\_ Active License? Yes ☒ No ☐Is small generator facility eligible for Net Metering? Yes ☒ No ☐**INSURANCE DISCLOSURE**

The attached terms and conditions contain provisions related to liability and indemnification, and should be carefully considered by the interconnection customer. The interconnection customer is not required to obtain general liability insurance coverage as a precondition for interconnection approval; however, the interconnection customer is advised to consider obtaining appropriate insurance coverage to cover the interconnection customer's potential liability under this agreement.

**CUSTOMER SIGNATURE**

I hereby certify that: 1) I have read and understand the terms and conditions which are attached hereto by reference and are a part of this Agreement; 2) I hereby agree to comply with the attached terms and conditions; and 3) to the best of my knowledge, all of the information provided in this application request form is complete and true. I consent to permit the PSC and interconnecting utility to exchange information regarding the generating system to which this application applies.

Interconnection Customer Signature:  Date: 6/25/2017Printed Name: J Thomas Wolfe Title: Homeowner





A PHI Company

## PART 2

### DELAWARE INTERCONNECTION APPLICATION & AGREEMENT

**With Terms and Conditions for Interconnection**  
**(Lab Certified Inverter-Based Small Generator Facilities Less than or Equal to 10 kW)**  
**(Final Agreement – must be completed after installation and prior to interconnection)**

### **Certificate of Completion<sup>11</sup>**

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Energy Source: Solar PV Prime Mover: Photovoltaics  
Inverter Type: Forced Commutated ☐ Line Commutated ☒  
Number of Inverters: 1  
Inverter Manufacturer: ABB Model Number(s) of Inverter: PVI-3.0-OUTD-S-US-Z-A-RGM

Rating DC Generator Total<sup>12</sup> Nameplate Rating: 4.20 (kW),  
AC Inverter Total<sup>13</sup> Rating 3.00 kW (kW),  
AC System Design Total Capacity<sup>14</sup>: 3.69 (kW) \_\_\_\_\_ (kVA)

Generator (or PV Panel) Manufacturer, Model #<sup>15</sup>: Hanwha SolarOne (Qidong) Q.Peak-G4.1/SC300

<sup>11</sup> Information entered here on Certificate of Completion (Part 2) must match part 1

<sup>12</sup> Sum of all generators or PV Panels

<sup>13</sup> Sum of all inverters

<sup>14</sup> This will be your system design capacity based upon your unique system variables.

<sup>15</sup> If more than one type, please list all manufactures and model numbers.



**EQUIPMENT INSTALLATION CONTRACTOR**Owner (Customer) Installed: ☐ Yes ☒ NoContractor Name: SolarCity Corporation DBA Tesla EnergyMailing Address: 6671 Las Vegas Blvd South, Suite 300City: Las VegasState: NVZip Code: 89119Telephone (Daytime): 702-703-8951

(Evening): \_\_\_\_\_

Fax Number: \_\_\_\_\_

E-Mail Address: interconnection.DE@solarcity.com**FINAL ELECTRIC INSPECTION AND INTERCONNECTION CUSTOMER SIGNATURE**

The Small Generator Facility is complete and has been approved by the local electric inspector having jurisdiction. A signed copy of the electric inspector's form indicating final approval is attached. The Interconnection Customer acknowledges that it shall not operate the Small Generator Facility until receipt of the final acceptance and approval by the EDC as provided below.

Signed: \_\_\_\_\_

*(Signature of interconnection customer)*

Date

6/25/2017Printed Name: J Thomas WolfeCheck if copy of signed electric inspection form is attached ☒**ACCEPTANCE AND FINAL APPROVAL FOR INTERCONNECTION (for EDC use only)**

The interconnection agreement is approved and the Small Generator Facility is approved for interconnected operation upon the signing and return of this Certificate of Completion by EDC:

Electric Distribution Company waives Witness Test? (Initial) Yes (LH) No (\_\_\_\_)

If not waived, date of successful Witness Test: \_\_\_\_\_ Passed: (Initial) (\_\_\_\_)

EDC Signature: \_\_\_\_\_

Date: 01/16/2018Printed Name: Lakeisha HarrisTitle: Acct Rep



## AMERICAN INSPECTION AGENCY, INC.

Approval is issued after completion of visual / final inspection in accordance with the National Electric Code (NFPA 70) applicable governmental, utility, and/or any state or local amendments there to.

### CERTIFICATE OF INSPECTION

DATE:	December 20, 2017
OWNER:	J Thomas Wolfe
OCCUPANT:	Dwelling
LOCATION:	6010 Old Capital Trail, Wilmington, DE
TYPE OF OCCUPANCY:	Single Family
INSTALLED BY:	Solar City / JB #198786
EQUIPMENT:	4.2 KW Solar Associated Electric

This certificate applies to the electrical wiring to the electrical equipment listed above and/or on application along with the installation inspected as of the above noted date based on visual inspection. Should the electrical system to which this certificate applies be altered or changed in anyway, including but not limited to the introduction of additional electrical equipment and/or the replacement of the components installed as of the above noted date, this certificate shall be immediately null and void. This certificate applies only to the use, occupancy and ownership as indicated herein. Upon a change in the use, occupancy or ownership of the property indicated above, the certificate shall be immediately null and void. No warranty is expressed or implied as to the mechanical safety. This certificate shall be valid for a period of one year from the above noted date.